

$M \geq 1$  first spatial light modulators optically coupled to the first polarization beam splitter to modulate light of  $N \geq 1$  colors of a first color space;

a second polarization beam splitter optically coupled to a second output light path of the polarization separator;

$P \geq 1$  second spatial light modulators optically coupled to the second polarization beam splitter to receive light of  $Q \geq 1$  colors of a second color space; and

a polarization combiner optically coupled to the first and second polarization beam splitters.

8. (Amended) An apparatus comprising:

a first light engine kernel to insert content in each of three colors in a first color space;

a second light engine kernel to insert content in each of three colors in a second color space; and

a combiner optically coupled to outputs of the first and second light engine kernels.

20. (Amended) An apparatus to receive input light and to provide output light, the apparatus comprising:

means for spatially substantially separating the input light into first light having a first polarization and second light having a second polarization different than the first polarization;

first means for inserting content into the first light, the first means for inserting including means for switching at least two color components of the first light, wherein the means for switching comprises a three-color switch;

second means for inserting content into the second light, the second means for inserting including means for switching at least two color components of the second light; and

means for combining the content-inserted first and second light to create the output light.

27. (Amended) The apparatus of claim 20 wherein:  
the three-color switch is adapted to switch between red, green, and blue.

28. (Amended) The apparatus of claim 20 wherein  
the three-color switch is adapted to switch between cyan, magenta, and yellow.

29. (Amended) An apparatus to generate a light beam containing at least two 2-D images of a composite 3-D image, the apparatus comprising:

a first switched light engine kernel to provide first light, the first light having a first polarization and containing content representing a first of the 2-D images;

a second switched light engine kernel to provide second light, the second light having a second polarization and containing content representing a second of the 2-D images, wherein the second polarization is different than the first polarization; and

a polarization combiner to combine the first light and second light to create the light beam.

30. (Amended) The apparatus of claim 29 further comprising:

a polarization separator to separate an input light into the first light and the second light.

51. (Twice Amended) An apparatus comprising:

a first plate polarizer to receive light from a light source, and substantially separate the light into first polarization light and second polarization light, and to substantially reflect one of and transmit an other of the first polarization light and the second polarization light;

a first color switch optically coupled to receive one ( $L_x$ ) of the first polarization light and the second polarization light from the first plate polarizer;

a first polarization beam splitter optically coupled to receive switched light from the first color switch;

a first single spatial light modulator optically coupled to receive and modulate switched light from the first polarization beam splitter, and reflect the modulated switched light back to the first polarization beam splitter;

a second color switch optically coupled to receive an other ( $L_y$ ) of the first polarization light and the second polarization light from the first plate polarizer;

a second polarization beam splitter optically coupled to receive switched light from the second color switch;

a second single spatial light modulator optically coupled to receive and modulate switched light from the second polarization beam splitter, and reflect the modulated switched light back to the second polarization beam splitter; and

a second plate polarizer optically coupled to receive modulated light from the first polarization beam splitter and modulated light from the second polarization beam splitter and combine the modulated lights into an output beam.

55. (Amended) The apparatus of claim 51, wherein the first color switch and the second color switch are coupled to operate in different color spaces.